

INTERNATIONAL SEARCH REPORT

PCT/US2004/033540

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A23B7/148 A23B7/157

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23B C01B D04H B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 489 399 A (KOYAKUMARU ET AL) 6 February 1996 (1996-02-06) cited in the application the whole document	1-18, 27-49
A	US 4 528 228 A (CLEVINGER ET AL) 9 July 1985 (1985-07-09) the whole document	1-49

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

31 January 2005

Date of mailing of the international search report

14/02/2005

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Information on patent family members

PCT/US2004/033540

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5489399	A	06-02-1996	CN 1124714 A ,C	19-06-1996
			DE 69426772 D1	05-04-2001
			DE 69426772 T2	20-09-2001
			DK 710621 T3	25-06-2001
			EP 0710621 A1	08-05-1996
			ES 2157243 T3	16-08-2001
			JP 8183608 A	16-07-1996
			TW 492946 B	01-07-2002
US 4528228	A	09-07-1985	AU 577320 B2	22-09-1988
			AU 3400884 A	18-04-1985
			CA 1240645 A1	16-08-1988
			DE 3476052 D1	16-02-1989
			EP 0138545 A2	24-04-1985
			ES 287754 U	16-06-1986
			ES 8601789 A1	01-03-1986
			ES 8702849 A1	01-04-1987
			JP 60148477 A	05-08-1985
			NZ 209790 A	12-02-1988
			PT 79342 A ,B	01-11-1984
			ZA 8407957 A	26-06-1985